Basic Equations

- Voltage Equations
- Inductance

Measuring

- Measuring Inductance
- Measuring Small Resistance
- Characteristic Cable Impedance

AC Power Supply Circuit

- Rectifier Circuit

Transistors

- Common Emitter Theory
- Transistor Bias
- Common Emitter Calculation 1
- Common Emitter Calculation 2

Transfer Functions

- https://www.youtube.com/results?search_query=michel+van+biezen+electrical+engineering
- https://youtube.com/watch?v=vfbYoh40Hnc&feature=shared

Push Pull Output Stage

- https://wiki.analog.com/university/courses/electronics/electronics-lab-13a
- http://www.ecircuitcenter.com/Circuits/pushpull/pushpull.htm
- https://www.analog.com/en/technical-articles/increase-amplifier-output-drive-using-a-push-pull-amplifier-stage.html
- https://www.eevblog.com/forum/projects/push-pull-output-stage-1m$-question/
- https://www.allaboutcircuits.com/worksheets/class-b-bjt-amplifiers/
- https://electronics.stackexchange.com/questions/177308/how-to-determine-current-limiting-resistor-values-for-push-pull-amplifier-driven
- https://www.electronics-tutorials.ws/amplifier/class-ab-amplifier.html
- https://www.theengineeringknowledge.com/class-b-and-class-ab-push-pull-amplifier/
- https://www.courses.ece.vt.edu/ece3274/ClassABdesign.pdf
- https://www.allaboutcircuits.com/worksheets/negative-feedback-opamp-circuits/

- https://people.engr.tamu.edu/spalermo/ecen326/lecture08_ee326_output_stages.pdf
- https://instrumentationlab.berkeley.edu/Lab8
- https://www.petervis.com/Amplifiers/push-pull-amplifier-using-bjt-transistors/push-pull-amplifier-using-bjt-transistors.html
- https://devxplained.eu/en/blog/low-voltage-ac-source-part-7

PWM - Low Pass filtering

- http://sim.okawa-denshi.jp/en/PWMtool.php
- https://tools.analog.com/en/filterwizard/
- https://www.allaboutcircuits.com/technical-articles/low-pass-filter-a-pwm-signal-into-an-analog-voltage/
- Sallen-Key Low Pass 1
- Sallen-Key Low Pass 2
- https://www.ee-diary.com/2022/02/Sallen-Key-Unity-Gain-LPF-Design-breadboard.html#

Calculate divider resistors : Just take the collector current, divide it by the beta to work out the base current, then multiply that by ten to get the diode current, and then take your supply voltage and subtract the two diode voltages from it and then divide into that the diode current to work out the total resistance.